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(71) Applicant (for all designated States except US): **Dong-A  
Pharmaceutical Co., Ltd. [KR/KR]; 252 Yongdu-dong  
Dongdaemun-ku, Seoul 130-072 (KR).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YOO, Moohi**

[KR/KR]; #5-801 Woosung 3rd Apt. Gaepo-1dong Kangnam-ku, Seoul 135-241 (KR). **KIM, Dong Sung [KR/KR]; #501-903 Jugong Apt. Jamsil-5dong Songpa-ku, Seoul 138-916 (KR). KIM, Yong Duck [KR/KR]; #503-201 Shinnamusil Jugong Apt. Youngtong-dong Paldal-Ku Suwon, Kyunggi-do 442-470 (KR). KIM, Wonbae [KR/KR]; #A-1801 Daelim Acrovil Doggok-dong Kangnam-ku, Seoul 135-270 (KR).**

(74) Agent: **LEE, Won-Hee; 8th Fl. Sung-ji Heights II 642-16 Yoksam-dong Kangnam-ku, Seoul 135-080 (KR).**

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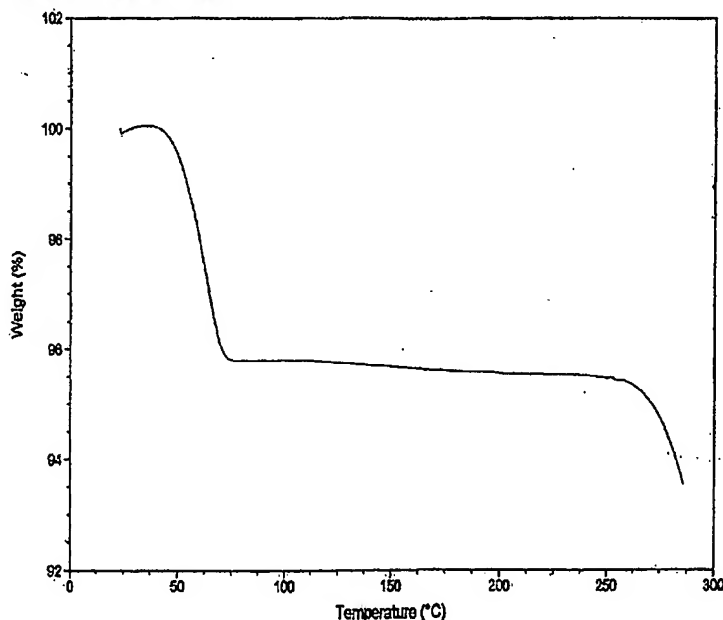
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(54) Title: **7-CARBOXYMETHYLOXY-3', 4', 5-TRIMETHOXY FLAVONE MONOHYDRATE, THE PREPARATION METHOD AND USES THEREOF**

Sample: I-3011  
Size: 4.3600 mg

TGA

Comment: 10°C/min, N<sub>2</sub>=100ml/min



(57) Abstract: The present invention relates to 7-carboxymethyloxy-3', 4', 5-trimethoxy flavone monohydrate which is a non hygroscopic product suitable for the preparation of metered dose of 7-carboxymethyloxy-3', 4', 5-trimethoxy flavone having protective activity for gastrointestinal tract including the colon, and a preparation method and uses thereof. 7-carboxymethyloxy-3', 4', 5-trimethoxy flavone monohydrate of the present invention has advantages such as mucus protecting activity for gastrointestinal tract including the colon, convenience for handling and storage under ordinary humidity owing to its non-hygroscopicity, and ability to contain an active compound consistently for the formulation production of a medicine. In addition, the preparation method of 7-carboxymethyloxy-3', 4', 5-trimethoxy flavone monohydrate of the present invention reduces long steps of total synthesis and requires mild conditions for the production of a compound because autoclave condition is not necessary for methylation in this case, and makes mass-production

possible without any purification process such as recrystallization or column chromatography.

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